

The nostrils are much larger even than in *Palæornis* and as near together, the interorbital vacuity is large, the squamosal is not expanded distally, the temporal fossa is small, the auditory meatus is narrower, and the post-auditory area broader than in any of these other three genera of *Palæornithine*.

The skull of *Pachynus* differs from that of *Chrysotis* and *Pionus* (between which it is placed by Salvadori) in its incomplete orbit and its extremely rudimentary postorbital process. The squamosal process is straighter and narrower, and the post-auditory area somewhat broader.

Brotogetys likewise differs from *Conurus* in its larger and more approximate nostrils, its very small postorbital process, and its more expanded post-auditory area.

The skull of *Poeocephalus* has large nostrils, a small postorbital process, a straight, rather short, squamosal. It certainly differs in these respects from its supposed ally *Caica*. The post-auditory region is extremely tumid, and the crescentic border of the meatus forms a deep notch above. I am unable to draw from the cranial characters of this genus any clear inference as to its closer relationships.

3. Report on the Gorgonacean Corals collected by Mr. J. Stanley Gardiner at Funafuti. By ISA L. HILES, B.Sc. (Vict.), Owens College, Manchester.¹

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(Plates I.-IV.)

Of the forms of Gorgonacean Corals sent to me by Mr. Gardiner for identification and examination the majority belong to the family Muriceidæ.

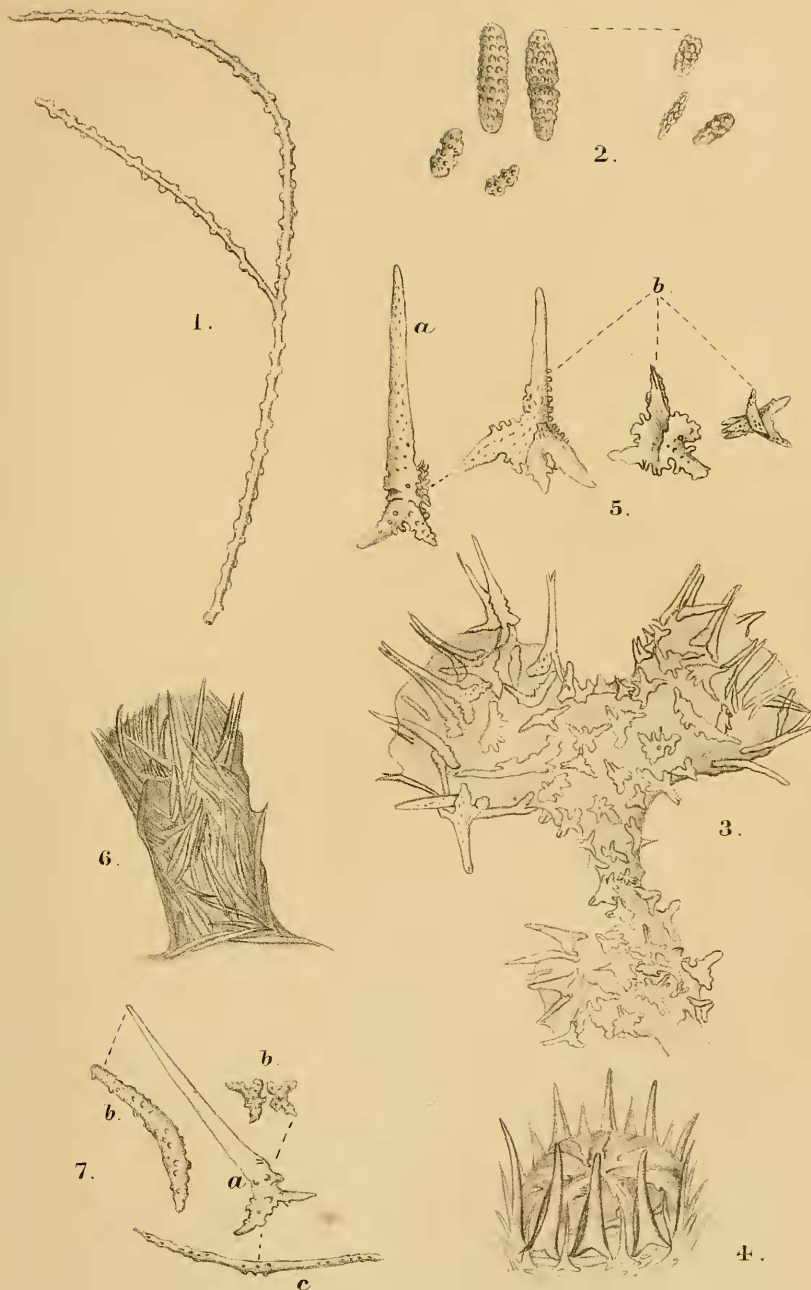
There is one Gorgonellid—*Verrucella granifera* Kolliker; two Sclerogorgic forms of Gorgonidæ—*Suberogorgia verriculata* Esper, and *Keroeides koreni* Wright & Studer; and one Plexaurid, *Euplexaura antipathes* Klunzinger.

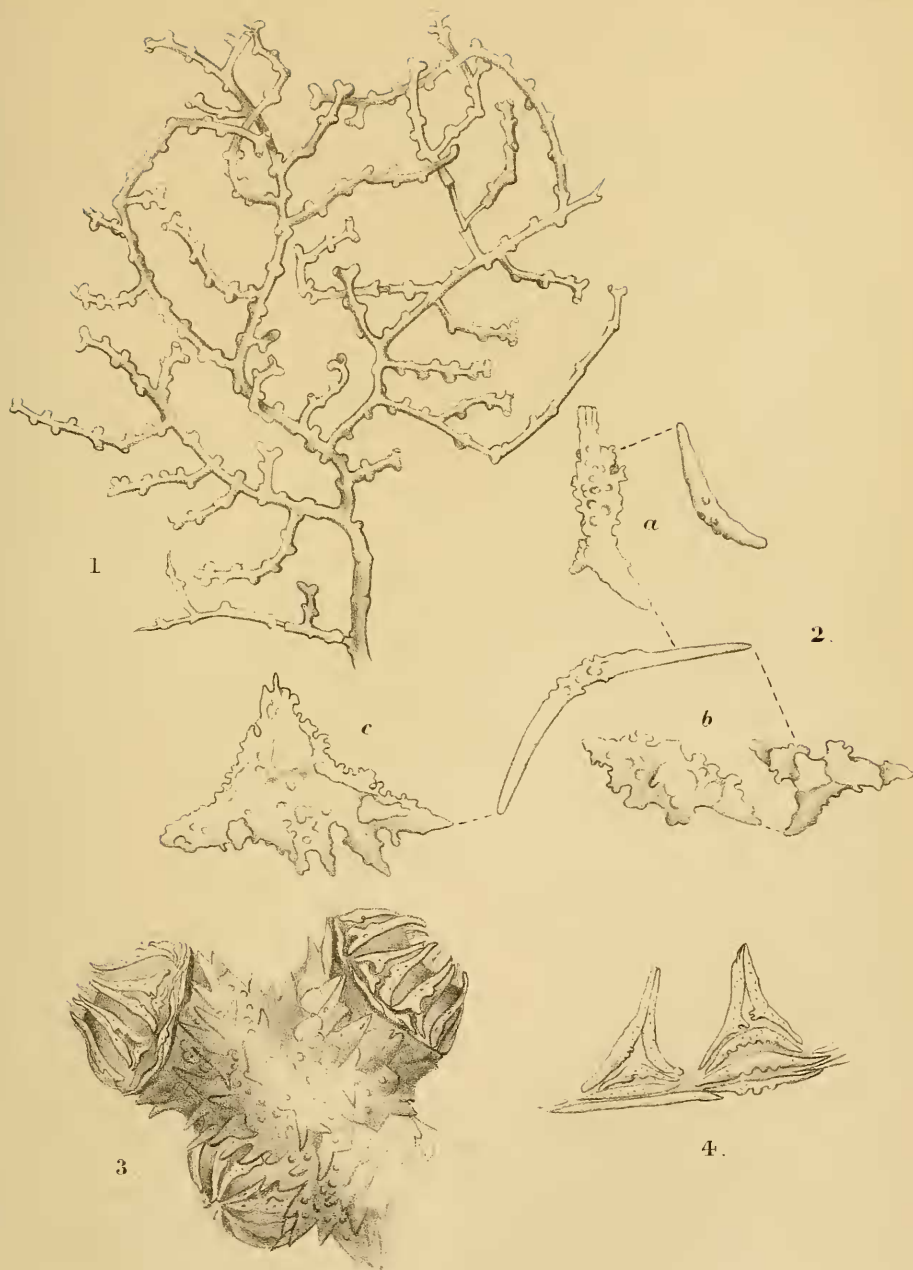
Among the representatives of the Muriceidæ there are three new forms—*Villogorgia rubra*, *Acamptogorgia spinosa*, and *Muricella flexilis*.

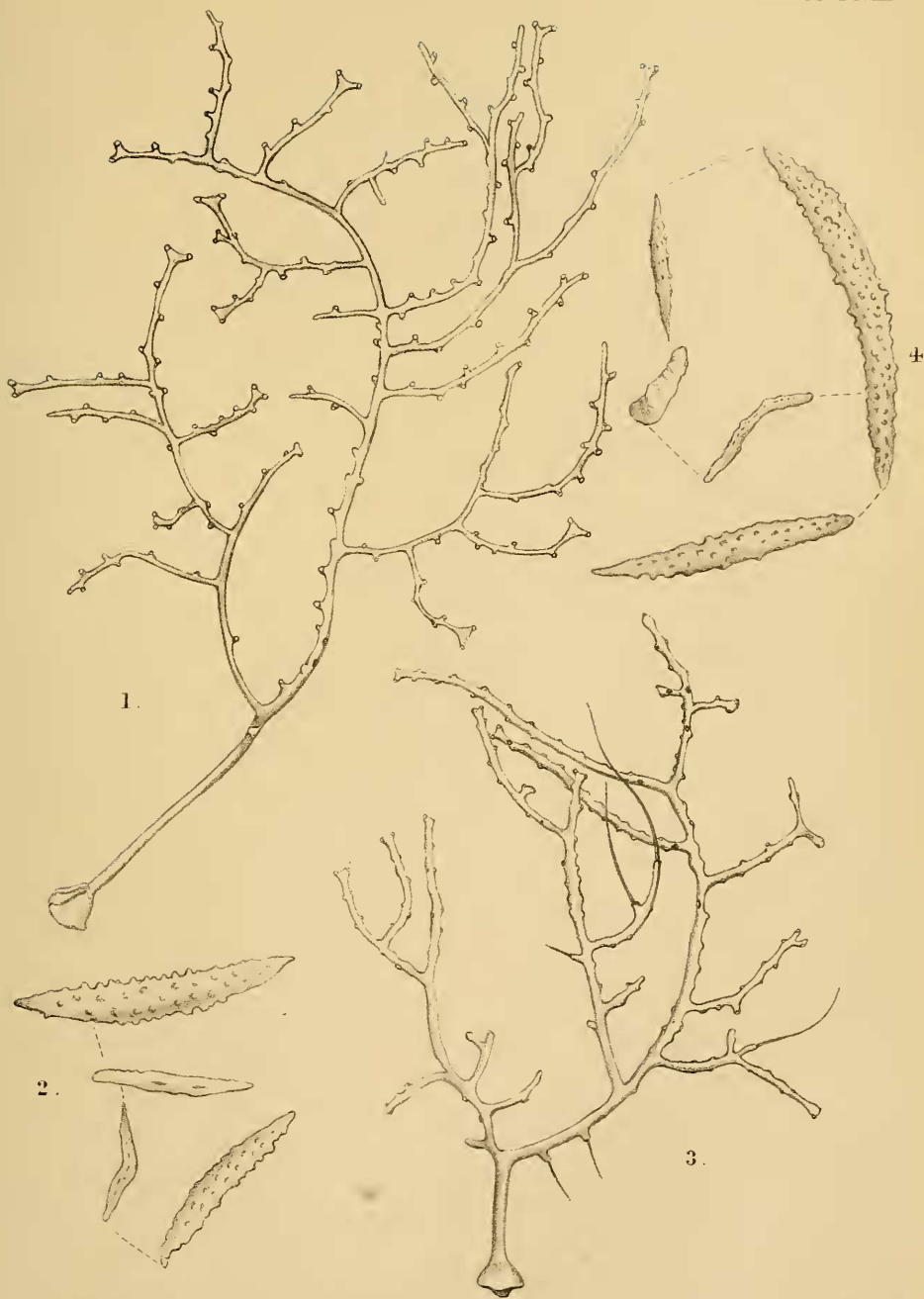
The specimens have been very carefully preserved in spirit, but unfortunately in some cases the endoderm is not complete, and therefore they are not so useful for anatomical examination as they would otherwise be.

I am much indebted to Professor Hickson for the great help he has given me, especially with regard to the literature. The classification adopted is that used by Wright and Studer in the 'Challenger' Report on Alcyonaria.

¹ Communicated by Prof. SYDNEY J. HICKSON, F.R.S., F.Z.S.







J. Smit del. et lith.

Mintern Bros imp.

Figs. 1, 2. *MURICELLA FLEXILIS*.

Figs. 3, 4. *M. TENERA*.



